

CLAIMS:

1. A display device viewable from two opposite sides, the display device comprising at least a first substrate being provided with electrodes for defining picture elements, the device further comprising driving selection means for selecting rows of picture elements in a first mode of driving, the display being viewed from a first direction substantially perpendicular to said first substrate in said first mode of driving and driving means for selecting rows of picture elements in a second mode of driving the display being viewed from a second direction opposite to said direction in said second mode of driving, said display device further comprising means for providing data and driving means for mirroring with respect to a mirroring line of a display section the data for the contents of picture elements to be written.
2. A display device according to claim 1 in which the mirroring line substantially coincides with a column or a line of picture elements.
- 15 3. A display device according to claim 1 in which the mirroring line is situated between two columns or two lines of picture elements.
4. A display device according to claim 2 or 3 in which the driving means for mirroring a display section having k columns comprise means for interchanging the contents 20 of picture elements (i, j) and the contents of picture elements (i, k-j), i being a row number of the display section.
5. A display device according to claim 4 in which two of the k columns are provided with a first kind of switches between columns j of picture elements and the means 25 for providing data to said columns j of picture elements and a second kind of switches between the columns (k-j) and said means for providing data to the columns j of picture elements.

6. A display device according to claim 5 in which the first and second kind of switches are complementary transistors and the driving means for mirroring comprise common enabling means for said complementary transistors.

5 7. A display device according to claim 5 in which the driving means for mirroring comprise complementary enabling means for said first and second kind of switches.

10 8. A display device according to claim 2 or 3 in which the driving means for mirroring a display section having k rows comprise means for interchanging the contents of picture elements (i, j) and the contents of picture elements $(k-i, j)$, j being a column number of the display section.

15 9. A display device according to claim 8 in which two of the k rows are provided with a first kind of switches between rows j of picture elements and the means for selecting said rows j of picture elements and a second kind of switches between the rows $(k-j)$ and said means for selecting the rows j of picture elements.

20 10. A display device according to claim 9 in which the first and second kind of switches are complementary transistors and the driving means for mirroring comprise common enabling means for said complementary transistors.

25 11. A display device according to claim 9 in which the driving means for mirroring comprise complementary enabling means for said first and second kind of switches.

12. A display device according to claim 1 in which the picture element are divided in sub-pixels and the driving means for mirroring mirror one kind of sub-pixels.

30 13. A display device according to claim 12 in which said first and second mode of driving are performed substantially simultaneously

14. A display device according to claim 12 in which, viewed in a direction substantially normal to the display, different sub-pixels at different sides of the display comprise an absorbing or a reflecting layer.
- 5 15. A display device according to claim 1 in which the picture elements comprise electroluminescent diodes.